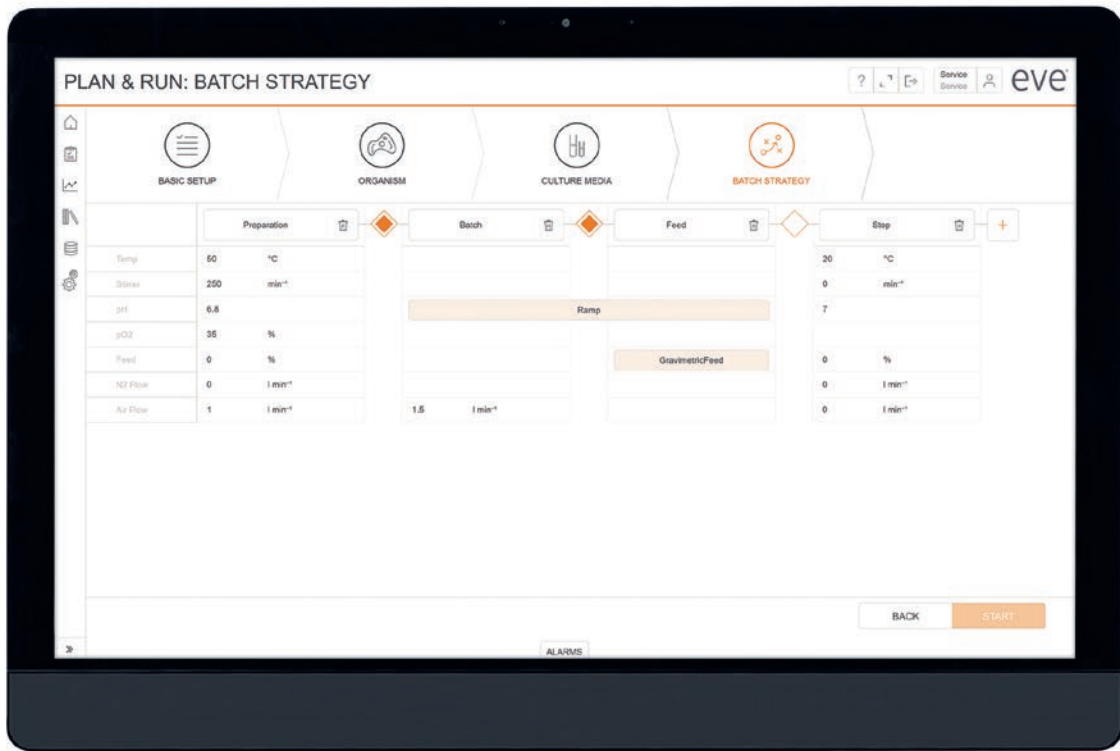




eve<sup>®</sup>

Bioprocess Platform Software

Digitize your bioprocesses.



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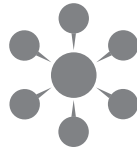
## This is eve®

eve® is able to do more than just plan, control and analyse your bioprocesses. The eve® software integrates workflows, devices, bioprocess information and big data in a web-based platform that lets you organise your projects – no matter how complex they are.



### **eve® unifies bioprocesses. All of them.**

eve® integrates bioreactors, shakers, analytical instruments, and bioprocess data of all kind – regardless of the manufacturer – using cutting-edge NoSQL technology instead of traditional SQL. eve® catapults your bioprocesses into the world of big data, giving you information centrally, uniformly and quickly.



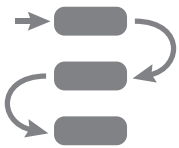
### **Everything for your modern bioprocess.**

eve® is as suitable for researchers as it is for users in industry. Select the features that make your life easier: draft bioprocess strategies in an astonishingly easy process – a few clicks is all it takes. Generate more information thanks to soft-sensors, and use DoE methods for faster results. It's up to you how you want to work with eve®.



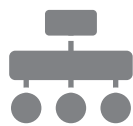
### **Unlimited and independent: web-based.**

Because eve® is web-based, your bioprocess data are available for you right from a browser, ending your dependence on operating systems – one central installation is all you need. eve® adapts to your needs. Everywhere, unlimited and independent.



### **All-inclusive workflow: from planning to data analysis.**

eve® covers every aspect of a bioprocess, with a straightforward user navigation system that keeps the workflow on hand at all times. The workflow integrates all of the experimental requirements, from project, experiment and batch planning to resource administration and analysis of the results. Process Management becomes comprehensive and easier than ever before.



### **Organised and packed with bioprocess expertise.**

eve® gives you precisely the tools and information you need for your work sequences. Its integrated, expandable libraries organise information about process data, organisms, media, soft-sensors and formulations. Your bioprocess expertise is organised in a central location, easy to expand and available whenever you need it.



### **eve® is reliable and secure. Always.**

Start up your computer and eve® is ready to go for as long as the computer is running. Your bioprocess will be recorded in the background, even if no user is logged in. After a power failure, eve® will automatically start up as soon as the computer is turned back on. You can depend on eve®. Always.

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# Everything for your modern bioprocess

The intersection of software engineers, bioprocess experts and user experience specialists is at the heart of the eve® development process. This approach ensures that you will be able to operate eve® intuitively, even as we update features on an ongoing basis. The full range of bioprocess applications will always be right at your fingertips – instead of searching for features, you can go ahead and get started.

## eve® is available in three packages:

### eve® Basic

With eve® Basic you can take the first steps to digitalization of your bioprocess with a reasonable budget. The comprehensive functions for planning, monitoring and documenting batches are ideally suited for experiments in the shaker or simple applications in the bioreactor.

### eve® Standard

eve® Standard provides you with the tools to control and automate bioprocesses. In addition to the comprehensive features with which you can plan, control, monitor and document batches, predefined functions, among others, which you can individually adjust are available to you.

### eve® Premium

eve® Premium is suitable for work in the validated environment according to FDA CFR 21 Part 11. In addition to the comprehensive options for planning, controlling, monitoring and documenting bioprocesses, you receive additional safety features as well as validation documents for the software (FS, IQ, declaration of conformity).

### eve® supports the following systems

- All INFORS HT bioreactors, as well as the Minitron and Multitron shakers
- Sartorius DCU
- Applikon in-/ez-/my-Control
- Devices meeting the OPC or Modbus standard
- Software with Rest API (Matlab, etc.)

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Contact us and we'll be happy to advise you.

[www.infors-ht.com/en/eve](http://www.infors-ht.com/en/eve)

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# Features

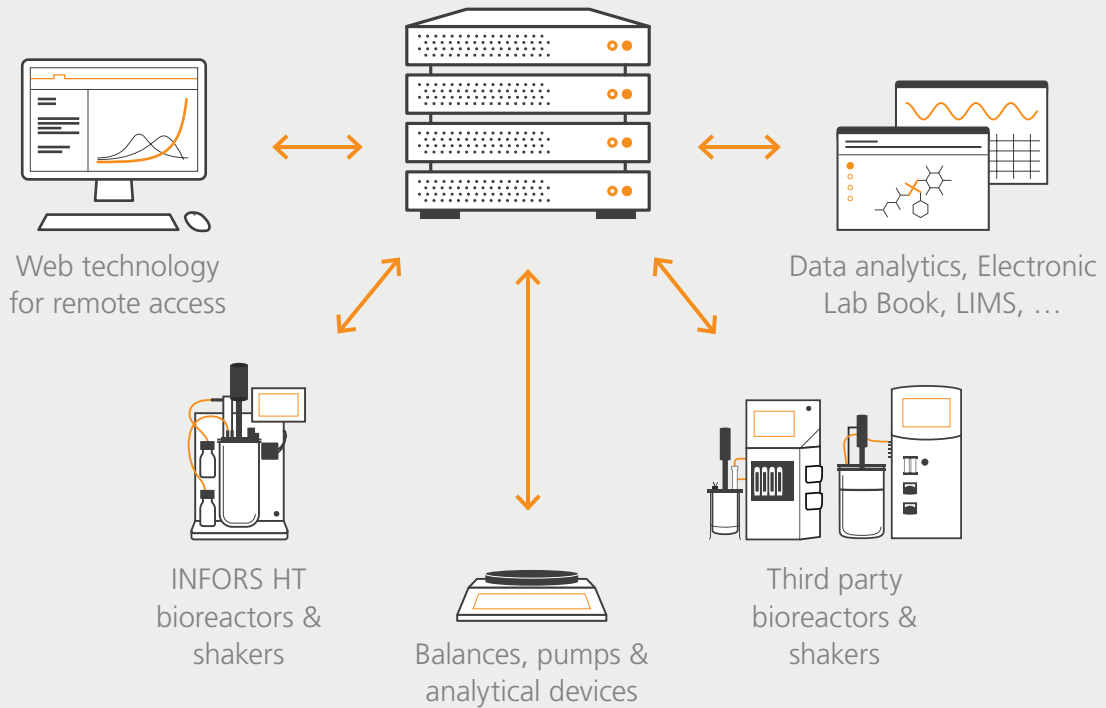
## Choose your package

	Basic	Standard	Premium
<b>Monitoring</b>			
Batch data acquisition and storage in a centralized database	✓	✓	✓
Advanced configurable charting	✓	✓	✓
Unlimited remote access via web browser	✓	✓	✓
Batch & system alarm with visual alarm, dynamic and fixed ranges and e-mail batch alarm	✓	✓	✓
Calculated values with soft-sensor	✓	✓	✓
Data libraries for batches, recipes, organisms, culture media and compounds	✓	✓	✓
Multi-user access	✓	✓	✓
Sample data management	✓	✓	✓
<b>Control</b>			
Setpoint remote control	–	✓	✓
Batch control strategy with			
– Phase system incl. configurable transition conditions	✓	✓	✓
– Preconfigured function (linear, exponential steps)	–	✓	✓
– Gravimetric feeding (exponential, polynomial, profile)	–	✓	✓
– Scripting capabilities	–	✓	✓
<b>Reporting</b>			
Batch report including meta data, parameter, parameter chart, recipe, audit trail, export in PDF or MS Office	✓	✓	✓
Audit trail reporting with selection of time frame, user or event filter, export in PDF or MS Office	✓	✓	✓
<b>System</b>			
Integrated backup/restore	✓	✓	✓
Interface with 3rd party software (REST API)	✓	✓	✓
Automatic restart after power failure	✓	✓	✓
Automatic logout (configurable)	–	–	✓
Automatic password expiration	–	–	✓
Lockout on failed logins	–	–	✓
High complexity passwords	–	–	✓
IP white list for batch control restriction	–	–	✓
<b>Validation documents</b>			
Functional specification (FS)	–	–	✓
Declaration of conformity (FDA CFR 21 Part 11)	–	–	✓
Declaration of conformity (EU GMP Annex 11)	–	–	✓
Installation qualification protocol (IQ)	–	–	✓
Operational qualification (OQ)	–	–	*
<b>General</b>			
Up to 100 supported process units	✓	✓	✓
Database management via NoSQL – Elasticsearch	✓	✓	✓
Supported server operating system Windows 10 pro, Windows 2016/2019 Server	✓	✓	✓
<b>Service</b>			
1 year free maintenance (free updates)	✓	✓	✓
Service & training	*	*	*
Validation service	–	–	*
<b>Additional driver</b>			
Modbus RTU/TCP	*	*	*
OPC	*	*	*
DCU (Sartorius)	*	*	*
ADI (Applikon)	*	*	*
Balances (Mettler, Ohaus, Kern, Sartorius)	*	*	*
Pumps (Ismatec, Watson Marlow)	*	*	*

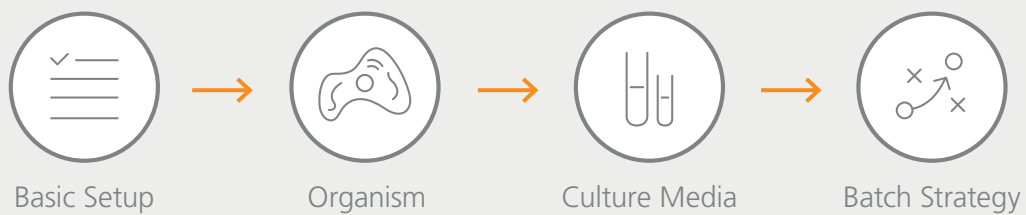
\* available as an option

# This is how it works

## One central installation is all you need



## A workflow guides you through your experiment



### We always find the right solution for you

Communications protocols for eve® are constantly being expanded. To help make your project a success, we integrate your bioprocess equipment and review every customer request in a feasibility study. Your INFORS HT representative would be happy to provide you with support for your project.